

IN THE CLAIMS

1. (currently amended) An improved cooling fan mechanism for a motor-driven pressure washer comprising;

a generally toroidal drive pulley rotatably mounted within the pressure washer, said drive pulley driven by a motor within the pressure washer;

said drive pulley including a generally cylindrical outer rim having inner and outer sides, a central hub having a central rotational axis and a plurality of spokes extending between said central hub and said outer rim for supporting said outer rim in spaced relation from said central hub;

at least some of said plurality of spokes of said drive pulley each consisting of an angled fan blade having a forward air-engaging edge generally adjacent said outer side of said outer rim and a rearward edge generally adjacent said inner side of said outer rim;

said forward air-engaging edges of said fan blades operative to engage air upon rotation of said drive pulley and said angled fan blades operative to draw air external to the pressure washer through said drive pulley from said outer side of said outer rim to said inner side of said outer rim to force the engaged air into the pressure washer via said fan blades to cool the interior of the pressure washer thereby reducing the internal temperature of the pressure washer.

2. (original) The cooling fan mechanism for motor-driven pressure washers of claim 1 wherein said fan blades are angled between approximately ten to forty-five degrees (10° to 45°) from perpendicular to the central rotational axis of said center hub of said drive pulley thereby deflecting air encountered during the rotation of said drive pulley towards said inner side of said drive pulley and inwards to internal elements of a motor-driven pressure washer.

1 3. (original) The cooling fan mechanism for motor-driven pressure washers of
2 claim 1 wherein each of said spokes of said drive pulley consist of one of said angled fan blades.

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4 4. (original) The cooling fan mechanism for motor-driven pressure washers of
5 claim 1 wherein said angled fan blades each further comprise an air deflection plate having a slight
6 concave curvature for enhancing air propulsion towards internal elements of a motor-driven pressure
7 washer.

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9 5. (currently amended) In combination:
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11 an motor-driven pressure washer including a base platform, a motor mounted on said base platform
12 including a rotating power output shaft, a generally toroidal drive pulley mounted on said
13 rotating power output shaft for rotating said drive pulley, water pump means mounted on said
14 base platform, a drive belt extending between said drive pulley and said water pump means
15 for operating said water pump means and a safety housing having at least one wall structure
16 at least partially enclosing said drive pulley, said water pump means and said drive belt; and
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18 an improved cooling fan mechanism for said motor-driven pressure washer including;
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20 said drive pulley including a generally cylindrical outer rim having inner and outer sides, a central
21 hub having a central rotational axis and a plurality of spokes extending between said central
22 hub and said outer rim for supporting said outer rim in spaced relation from said central hub,
23 said drive belt extending around said outer rim of said drive pulley;

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25 at least some of said plurality of spokes of said drive pulley each consisting of an angled fan blade
26 having a forward air-engaging edge generally adjacent said outer side of said outer rim and
27 a rearward edge generally adjacent said inner side of said outer rim;
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1 said forward air-engaging edges of said fan blades operative to engage cooling air upon rotation of
2 said drive pulley by said motor and draw air external to said pressure washer through said
3 drive pulley from said outer side of said outer rim to said inner side of said outer rim to pull
4 cooling air into and through said safety housing of said motor-driven pressure washer via
5 said fan blades to direct cooling air directly onto said motor and circulate cooling air through
6 the interior of said safety housing of said motor-driven pressure washer thereby reducing the
7 ~~internal~~ temperature of said motor and said drive belt of said motor-driven pressure washer.
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9 6. (currently amended) The combination of claim 5 wherein said safety housing further
10 comprises at least one air passage opening generally adjacent said outer side of said drive pulley to
11 permit air flow into and out through said at least one wall structure of said safety housing for cooling
12 of the internal temperature of said motor-driven pressure washer.
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14 7. (currently amended) The combination of claim 6 wherein said safety housing further
15 comprises at least one outflow air passage opening generally adjacent said inner side of said drive
16 pulley operative to permit air flow out of said safety housing through said outflow air passage
17 opening directly onto ~~towards~~ said motor for cooling of the temperature of said motor.
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19 8. (original) The combination of claim 5 wherein said fan blades are angled
20 between approximately ten to forty-five degrees (10° to 45°) from perpendicular to the central
21 rotational axis of said center hub of said drive pulley thereby deflecting air encountered during the
22 rotation of said drive pulley towards said inner side of said drive pulley and inwards to internal
23 elements of said motor-driven pressure washer.
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25 9. (original) The combination of claim 5 wherein each of said spokes of said drive
26 pulley consist of one of said angled fan blades.
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1 **10.** (original) The combination of claim **5** wherein said angled fan blades each
2 further comprise an air deflection plate having a slight concave curvature for enhancing air
3 propulsion towards the internal elements of said motor-driven pressure washer.
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5 **11.** (original) The combination of claim **5** wherein said central hub of said drive
6 pulley further comprises a center air-seal disk which is operative to generally prevent negative
7 airflow into the center of said central hub of said drive pulley.
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